PRELIMINARY

LN55B650 55" High Definition TV with 1080p Resolution

(54.6" (truncated) actual diagonal screen size)

SERIES 6 LCD TV

Samsung's LN55B650 takes your HDTV enjoyment – and capabilities – to new heights. The power of Full HD 1080p resolution delivers clear, vivid images on a 55-inch LCD screen. The Medi@2.0™ feature lets you access countless hours of online content from partners like Yahoo! and Flickr using customizable widgets, all controlled by your remote. Auto Motion Plus™120Hz technology renders the smoothest, most lifelike HD action. DLNA technology means you can harness your entire home network through your HDTV. Connect your DVD, cable or satellite HD box, or Blu-ray Disc® player easily, using any of four HDMI inputs. Experience truer, more natural dark tones and shadows with the 100,000:1 dynamic contrast ratio. And highlight nearly any room in the house with a unique red accent at the bezel's edge, courtesy of the Touch of Color™ design.

TV/VIDEO

- Touch of Color™ design
- Full HD-grade pixel resolution (1080p)
- Medi@2.0™
  - Internet@TV - Content Service
  - DLNA Wireless
  - Content Library™ (1GB Flash Memory)
  - USB 2.0 Movie
- Auto Motion Plus™120Hz
- 100,000:1 dynamic contrast ratio
- Built-in digital tuner
- Fast 4ms response time
- Picture in Picture
- Game Mode
- Single User Interface
- Ultra Clear Panel
- Wide Color Enhancer 3
- Crystal neck Swivel Stand

AUDIO

- Watts per channel: 15W x 2
- SRS TruSurround HD™

CONNECTIONS

- 4 HDMI – Anynet + (HDMI-CEC) (3 rear/1 side)
- 2 Component video inputs (rear)
- 2 Composite inputs (1 rear/1 side)
- USB 2.0 Movie (2 side)
- PC input
- Ethernet

All features, specifications, and model numbers subject to change. All on screen images are simulated pictures.

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FEATURES

HD-Grade 1920 (H) x 1080 (V) pixel resolution: High-resolution pixel density is combined with a built-in image scaler to handle inputs from a variety of digital and analog audio/video sources.

Widescreen aspect ratio

CCFL—Cold Cathode Fluorescent lamp

100,000:1 dynamic contrast ratio

Ultra Clear Panel: Advanced LCD technology lets you enjoy crisp image details, natural skin tones, excellent shadow detail, and vibrant colors.

Auto Motion Plus™120Hz: Advanced processing that reduces blur and enhances image detail when viewing fast motion video sequences.

Touch of Color™ (ToC): Samsung's unique manufacturing process accents the surrounding bezel with a stylish red tone

Medi@2.0™

- **Internet@TV - Content Service**
- **DLNA Wireless**
- **Content Library™ (1GB Flash Memory):** exercise, children's "edutainment", cooking, image gallery, games.
- **USB 2.0 Movie:** For playing MP3 and displaying JPEG/MPEG files through the USB 2.0 connection on selected Samsung TVs.

Wide Color Enhancer3: Optimizes a given color's hue, resulting in more natural rendering of colors.

Built-in digital tuner: (ATSC/Clear QAM)

Response time: A fast 4ms response time minimizes blurring of fast motion in sports programs.

Game Mode enhances dark areas, sharpens the picture, speeds up the image processing response and enhances the sounds of your games. Picture and sound quality optimized for the special needs of gaming systems at the touch of a button..

Picture-in-Picture (PIP): Enables convenient, simultaneous viewing of TV programs and video or PC content sources.

Single User Interface

SRS TruSurround HD™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

Stereo broadcast reception: Supports multichannel sound (MTS) and second audio program (SAP) with 181-channel capacity.

Bottom speakers with 15 Watts x 2 audio power

Integrated woofer

Anynet™ Plus (HDMI-CEC): allows peripheral AV devices such as a DVD player to be controlled by a Samsung TV remote control.

Energy Star® Compliant reduces energy consumption by up to 25% compared with standard TVs.

V-Chip system[1]: Allows blocking of rated TV and Movie programs determined by a parent to contain objectionable content.

Trilingual on-screen displays in English, Spanish or French.

Variable sleep timer: Can be programmed to turn the TV off at different time intervals.

Swivel stand

CONNECTIONS

4 HDMI (High-Definition Multimedia Interface) version 1.3: (3 rear/1 side)

Component video: 2 rear (Y, Pb, Pr)

Composite inputs: 1 rear/1 side (shared with component)

USB: 2 (side)

PC input: 1 (rear)

Optical sound output: 1

Ethernet: 1 (rear)

RS232C

HDMI-CEC

WARRANTY

1 year parts and 1 year labor warranty (90 days parts and labor for commercial use), with in home service, backed by Samsung toll-free support.

SPECIFICATIONS

Panel: Wide (16:9) LCD

TV system: American NTSC standard color

Channel coverage: VHF 2-13, UHF 14-69, CATV 1-125 (up to 181 pre-selected channels)

Antenna: CATV/VHF/UFH 75-ohm, F-type

Watts per channel: 15W x 2

NET DIMENSIONS & WEIGHT (WXHXD)

TV without stand: 51.6" x 33.1" x 3.1"

TV without stand weight: 64.8 lbs.

TV with stand: 51.6" x 35.2" x 12.1"

TV with stand weight: 76.5 lbs.

SHIPPING INFORMATION (WXHXD)

Dimensions: 56.1" x 39.9" x 15.7"

Weight: 92.2 lbs.

ORDER CODE

LN55B650T1FXZA

UPC

036725229389

[1]Feature dependent upon broadcasting of information by local off-air TV and cable channels.

[2]As an Energy Star® partner, Samsung has determined that this product meets the Energy Star® guidelines for energy efficiency. Energy Star® is a registered trademark of the U.S. Environmental Protection Agency.

Design and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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For more information on digital TV technology please visit www.samsung.com/hd

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SAMSUNG

Part Number: